

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/616,900
Filing Date	July 9, 2003
First Named Inventor	Jaime Escobedo
Art Unit	1631
Examiner Name	Unknown
Attorney Docket Number	20366-116002

Total Number of Pages in This Submission

33

ENCLOSURES (check all that apply)

☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/
Incomplete Application☐ Reply to Missing Parts
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a
Provisional Application☒ Power of Attorney, Revocation
Change of Correspondence
Address (2 pages)☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) _____☐ Landscape Table on CD☐ After Allowance Communication to TC☐ Appeal Communication to Board
of Appeals and interferences☐ Appeal Communication to Group
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s) (please identify
below):Statement Under 37 CFR Sec. 3.73(b)
(with Table A; 4 pages);
Copy of Assignment from corresponding
application Serial No. 09/872,850
(27 pages); and,
Return postcard.

Remarks

SIGNATURE OF APPLICANT, ATTORNEY OR AGENT

Firm Name Fish & Richardson P.C.

Signature

Printed Name Gwilym J. O. Attwell, Reg. No. 45,449

Date

October 26, 2006

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Name (Print/Type) Gwilym J. O. Attwell

Date

October 26, 2006



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE WITH REVOCATION AND
CHANGE OF CORRESPONDENCE ADDRESS**

I, the below-named representative, hereby appoint:

☒ Practitioners at Customer Number 65,484 as our attorney(s) or agent(s) to prosecute the applications identified in the attached Table A, and to transact all business in the United States Patent and Trademark Office connected with said applications.

Address all telephone calls and correspondence to:

**Julia R. Rosenthal
Chiron Corporation
Intellectual Property
P. O. Box 8097
Emeryville, CA 94662-2916
Telephone: (510) 923-3949
Fax: (510)-655-3542**

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 26, 2006
Date of Deposit

[Signature]
Signature

Gwilym Attwell
Typed or Printed Name of Person Signing Certificate

I am a representative of the:

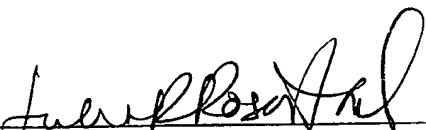
☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. (A statement under 37 CFR 3.73(b) is enclosed).

Respectfully submitted,

CHIRON CORPORATION

Date: 10/18/06

By: 
Name: Julia R. Rosenthal
Title: Corporate Patent Counsel



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT UNDER 37 CFR §3.73(b)

Under 37 CFR §3.73(b) CHIRON CORPORATION, certifies that it is the assignee of the entire right, title and interest in the patent applications identified in Table A which is attached hereto.

The extent (by percentage) of its ownership is 100% in the patent applications identified in Table A. Copies of the pertinent assignments from the inventor(s) of the patent applications identified in Table A are enclosed herewith.

The undersigned, whose title is supplied below, is empowered to act on behalf of the assignee.

Respectfully submitted,

CHIRON CORPORATION

Date: 10/18/06

By: Julia R. Rosenthal
Name: Julia R. Rosenthal
Title: Corporate Patent Counsel

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

October 26, 2006
Date of Deposit

GWILYM ATTWELL
Signature

GWILYM ATTWELL
Typed or Printed Name of Person Signing Certificate

Table A

Assignee of Record	Serial No./ Docket No.	Filing Date	Inventor(s)	Examiner	Art Unit	Title
Chiron Corporation	10/698,959 PP-01544.104 20366-108002	10/30/2003	Hamiduddin Khoja, et al.	Shulamith H. Shafer	1647	ISOLATED VSHK-1 RECEPTOR POLYPEPTIDES AND METHODS OF USE THEREOF
Chiron Corporation	09/490,818 PP001552.0002 20366-109001	1/25/2000	Giulia Kennedy	Gary B. Nickol	1642	POLYNUCLEOTIDES RELATED TO PANCREATIC DISEASE
Chiron Corporation	09/570,593 PP01556.002 20366-115001	5/12/2000	Joerg Kaufmann, et al.	Sally A. Sakelaris	1634	METHODS FOR DETERMINING METASTATIC POTENTIAL OF BREAST CANCER CELLS BY DETECTING GSEF GENE PRODUCT EXPRESSION
Chiron Corporation	09/626,301 PP001575.0003 20366-111001	7/25/2000	Giulia Kennedy	Minh Tam B. Davis	1642	POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN ADENOCARCINOMAS, POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USE THEREOF
Chiron Corporation	10/763,692 PP001575.0005 20366-111002	1/22/2004	Giulia Kennedy	Minh Tam B. Davis	1642	POLYNUCLEOTIDES DIFFERENTIALLY EXPRESSED IN ADENOCARCINOMAS, POLYPEPTIDES ENCODED THEREBY, AND METHODS OF USE THEREOF

Assignee of Record	Serial No./ Docket No.	Filing Date	Inventor(s)	Examiner	Art Unit	Title
Chiron Corporation	10/616,900 PP015805.0004 20366-116002	7/9/2003	Jaime Escobedo, et al.	Unknown	1631	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS COLON CANCER CELLS AND THEIR METHODS OF USE
Chiron Corporation	10/081,119 PP016932.0002 20366-122003	2/21/2002	Christoph Reinhard, et al.	Tracy Ann Vivemore	1635	TTK IN DIAGNOSIS AND AS A THERAPEUTIC TARGET IN CANCER
Chiron Corporation	10/951,406 PP016932.0004 20366-122002	9/27/2004	Christoph Reinhard, et al.	Tracy Ann Vivemore	1635	TTK IN DIAGNOSIS AND AS A THERAPEUTIC TARGET IN CANCER
Chiron Corporation	10/951,389 PP016932.0015 20366-122001	9/27/2004	Christoph Reinhard, et al.	Tracy Ann Vivemore	1635	TTK IN DIAGNOSIS AND AS A THERAPEUTIC TARGET IN CANCER
Chiron Corporation	10/951,477 PP016932.0016 20366-122004	9/27/2004	Christoph Reinhard, et al.	Tracy Ann Vivemore	1635	TTK IN DIAGNOSIS AND AS A THERAPEUTIC TARGET IN CANCER
Chiron Corporation	10/501,187 PP017767.0004 20366-124US1	1/13/2006	Rhonda Hansen	Unknown	1645	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS BREAST CELLS AND THEIR METHODS OF USE
Chiron Corporation	10/310,673 PP018095.0002 20366-123001	12/4/2002	Pablo-Albert Garcia, et al.	Laura B. Goddard	1645	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS PROSTATE CELLS AND THEIR METHODS OF USE

Assignee of Record	Serial No./ Docket No.	Filing Date	Inventor(s)	Examiner	Art Unit	Title
Chiron Corporation	10/934,842 PP021985.0001 20366-131001	9/2/2004	Elizabeth Scott, et al.	Unknown	1645	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS
Chiron Corporation	10/977,087 PP021986.0001 20366-134001	10/28/2004	Christoph Reinhard, et al.	Unknown	1635	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS AND THEIR METHODS OF USE V
Chiron Corporation	10/948,737 PP021987.0001 20366-133001	9/22/2004	Vivien W. Chan, et al.	Unknown	1635	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS CELLS III
Chiron Corporation	60/345,637 PP017767.001 20366-124P01	4/24/2003	Rhonda Hansen	N/A	N/A	GENE PRODUCTS DIFFERENTIALLY EXPRESSED IN CANCEROUS BREAST CELLS AND THEIR METHODS OF USE

ASSIGNMENT

WHEREAS, We, JULIE SUDDUTH-KLINGER, JAIME ESCOBEDO, CHRISTOPH J. REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO GARCIA, JOERG KAUFMANN, and GIULIA KENNEDY, hereinafter referred to as ASSIGNORS, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

**Title of Invention: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
IN CANCEROUS COLON CANCER CELLS AND
THEIR METHODS OF USE**

**Date of Execution: October 23, 2001, October 25, 2001, October 22, 2001,
October 29, 2001, November 1, 2001, November 9, 2001**

Filing Date: 06/01/2001

Serial No: 09/872,850

WHEREAS, CHIRON CORPORATION, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as ASSIGNEE, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNORS by ASSIGNEE, receipt of which is hereby acknowledged, ASSIGNORS have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by ASSIGNEE or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

^{11/09/01}
JSC 11/09/01
JSC 10/09/01

INVENTOR: JULIE SUDDUTH-KLINGER

DATE

11/09/01

Julie Sudduth-Klinger

Signature

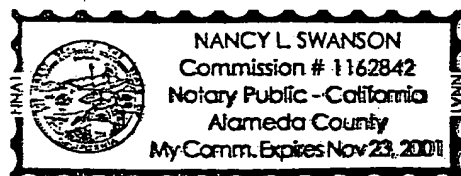
State of California

County of Alameda

On 11/9/01 before me, Nancy L. Swanson Notary Public, personally appeared Julie Sudduth-Klinger personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that ~~he~~/~~she~~/they executed the same in ~~his~~/~~her~~/their authorized capacity(ies), and that by ~~his~~/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

INVENTOR: JAIME ESCOBEDO

DATE 10/23/01

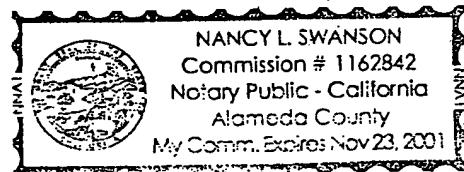
Jaime Escobedo
Signature

State of California
County of Alameda

On 10/23/01 before me, Nancy L. Swanson Notary Public,
personally appeared Jaime Escobedo, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in
~~his~~/her/~~their~~ authorized capacity(~~ies~~), and that by ~~his~~/her/~~their~~ signature(s) on the
instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

INVENTOR: CHRISTOPH J. REINHARD

DATE 10/25/2001

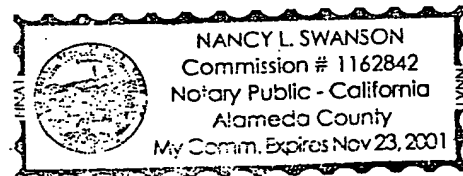
C. Reinhard
Signature

State of California
County of Alameda

On 10/25/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Christoph J. Reinhard personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he/she/they~~ executed the same in
~~his/her/their~~ authorized capacity(ies), and that by ~~his/her/their~~ signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

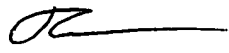
Nancy L. Swanson
Signature of Notary Public



Notary Seal

INVENTOR: FILIPPO RANDAZZO

DATE 10/22/01

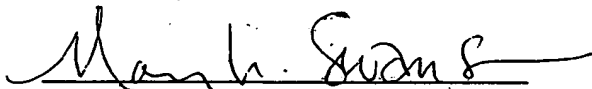

Signature

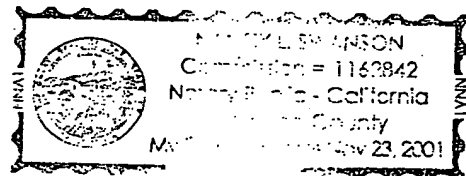
State of California

County of Alameda

On 10/22/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Filippo, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/~~she~~/they executed the same in
his/~~her~~/~~their~~ authorized capacity~~(ies)~~, and that by his/~~her~~/~~their~~ signature~~(s)~~ on the
instrument the person~~(s)~~, or the entity upon behalf of which the person~~(s)~~ acted, executed
the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Notary Seal

INVENTOR: GEORGE LAMSON

DATE 10/29/01

George Lamson
Signature

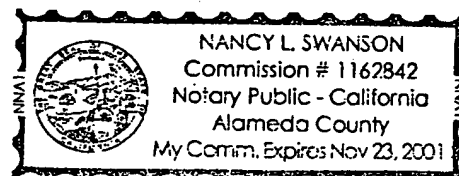
State of California
County of Alameda

On 10/29/01 before me, Nancy L. Swanson Notary Public,
personally appeared George Lamson personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~/she/they executed the same in
~~his~~/her/their authorized capacity(ies), and that by ~~his~~/her/their signature(s) on the
instrument the person(s) or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public

X
Notary Seal



INVENTOR: PABLO GARCIA

DATE 11/1/01

Pablo Garcia
Signature

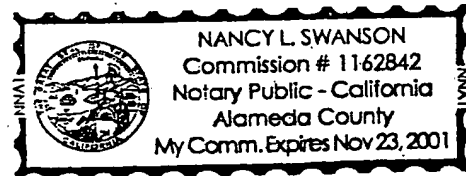
State of California

County of Alameda

On 11/1/01 before me, Nancy L. Swanson, Notary Public,
personally appeared Pablo Garcia, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that ~~he~~/she/~~they~~ executed the same in
~~his~~/her/~~their~~ authorized capacity(ies), and that by ~~his~~/her/~~their~~ signature(s) on the
instrument the person(s) or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Nancy L. Swanson
Signature of Notary Public



Notary Seal

PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JOERG KAUFMANN

DATE _____

Signature

Signature of person witnessing Joerg Kaufmann signing this document:

Signature

Date

INVENTOR: GIULIA KENNEDY

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

Giulia Kennedy

ASSIGNMENT

WHEREAS, We, JULIE SUDDUTH-KLINGER, JAIME ESCOBEDO, CHRISTOPH J. REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO GARCIA, JOERG KAUFMANN, and GIULIA KENNEDY, hereinafter referred to as *ASSIGNORS*, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: GENE PRODUCTS DIFFERENTIALLY EXPRESSED
IN CANCEROUS COLON CANCER CELLS AND
THEIR METHODS OF USE

Date of Execution: October 1, 2001

Filing Date: 06/01/2001

Serial No: 09/872,850

WHEREAS, *CHIRON CORPORATION*, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as *ASSIGNEE*, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to *ASSIGNORS* by *ASSIGNEE*, receipt of which is hereby acknowledged, *ASSIGNORS* have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said *ASSIGNEE*, and *ASSIGNEE'S* successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said *ASSIGNEE* as fully and exclusively as it would have been held and enjoyed by said *ASSIGNORS* had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by *ASSIGNEE* or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: JULIE SUDDUTH-KLINGER

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: JAIME ESCOBEDO

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
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instrument the person(s); or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: CHRISTOPH J. REINHARD

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
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instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: FILIPPO RANDAZZO

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
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instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: GEORGE LAMSON

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
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instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: PABLO GARCIA

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JOERG KAUFMANN

DATE _____

Signature

Signature of person witnessing Joerg Kaufmann signing this document:

Signature

Date

INVENTOR: GIULIA KENNEDY

DATE 10/01/01

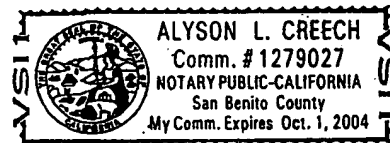
Giulia Kennedy
Signature

State of California
County of Santa Clara

On October 1, 2001 before me, Alyson L. Creech, Notary Public,
personally appeared Giulia Kennedy, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Alyson L. Creech
Signature of Notary Public



Notary Seal

ASSIGNMENT

Joerg Kaufmann

WHEREAS, We, JULIE SUDDUTH-KLINGER, JAIME ESCOBEDO, CHRISTOPH J. REINHARD, FILIPPO RANDAZZO, GEORGE LAMSON, PABLO GARCIA, JOERG KAUFMANN, and GIULIA KENNEDY, hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

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THEIR METHODS OF USE

Date of Execution: September 12, 2001

Filing Date: 06/01/2001

Serial No: 09/872,850

WHEREAS, **CHIRON CORPORATION**, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: JULIE SUDDUTH-KLINGER

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
personally appeared _____, personally known to me OR proved
to me on the basis of satisfactory evidence to be the person whose name is subscribed to the
within instrument and acknowledged to me that he/she/they executed the same in
his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the
instrument the person(s), or the entity upon behalf of which the person(s) acted, executed
the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: JAIME ESCOBEDO

DATE _____

Signature

State of California

County of _____

On _____ before me, _____, Notary Public,
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the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: CHRISTOPH J. REINHARD

DATE _____

Signature

State of California

County of _____

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Signature of Notary Public

Notary Seal

INVENTOR: FILIPPO RANDAZZO

DATE _____

Signature

State of California

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Signature of Notary Public

Notary Seal

INVENTOR: GEORGE LAMSON

DATE _____

Signature

State of California

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WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

INVENTOR: PABLO GARCIA

DATE _____

Signature

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WITNESS my hand and official seal.

Signature of Notary Public

Notary Seal

PATENT
U.S. Patent Application No. 09/872,850
Attorney Docket No. PP-15805.002

INVENTOR: JOERG KAUFMANN

DATE 09/12/2001

Joerg Kaufmann
Signature

Signature of person witnessing Joerg Kaufmann signing this document:

09-12-2001
Signature

at. Klegger
Date

INVENTOR: GIULIA KENNEDY

DATE _____

Signature

State of California

County of _____

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Notary Seal